Errata

Final Environmental Impact Statement and Map Packet

Tongass Land Management Plan Revision

May 1997

Paper version: This document identifies errors and updates -- "errata" -- in the published (paper version) of the Final Environmental Impact Statement (1997) for the Tongass National Forest (FEIS), appendices to the FEIS, and on maps in the map packet. Most errata associated with the printed map packet are shown on the backside of the cover sheet in the shrink-wrapped map packet; this document only shows additional ones. A number of the errata result from a decision to recommend additional rivers in Alternative 11 for Wild, Scenic, or Recreational River status; others from recent changes relative to Southeast Alaska's timber industry.

Electronic version (CD-ROM & Web-page): All errata included here have been corrected in the electronic version of the documents with the exception of the map errata.

Note: *The previous paragraph has been modified from that in the paper version. Also, all map errata are now combined on to one page.*

Errata

Final Environmental Impact Statement (FEIS)

Summary

vi. In Table 3, Alternatives 10 and 11 say "yes" for deer winter range. This should be "no."

Chapter 2

2-24 In Table 2-3, Alternatives 10 and 11 say "yes" for deer winter range. This should be "no."

2-25 Make these changes to the “goals common to all alternatives”:

1. For **Biodiversity**, insert at the beginning of the goal statement: “Maintain healthy forest ecosystems;”.

2. For **Heritage Resources**, replace the goal statement with: “Identify, evaluate, preserve, and protect heritage resources.”

3. Delete **Rural Community Assistance** and its goal, and replace with:

   Local and Regional Economies. Provide a diversity of opportunities for resource uses that contribute to the local and regional economies of Southeast Alaska.

4. For **Soil and Water**, delete the second sentence, and add at the end: “Maintain and restore the biological, physical, and chemical integrity of Tongass National Forest waters.”

5. Delete **Wilderness and Legislated LUD II** and its goal, and replace with:

   Wilderness. Manage designated Wilderness to maintain an enduring wilderness resource while providing for public access and uses consistent with the Wilderness Act of 1964 and the Alaska National Interest Lands Conservation Act of 1980 (ANILCA).

2-56 Delete the objective for deer winter range.

2-59 Make these changes to the “Goals”:

1. For **Minerals**, change the first word, “Encourage,” to “Provide for.” In the same sentence, after “open to mineral entry,” replace the rest of the sentence with: “and in areas with valid existing rights that are otherwise closed to mineral entry.”

2. For **Timber**, delete the second sentence.

3. For **Wildlife**, in the first sentence, replace the last part of the sentence after “especially old-growth forests,” with: “to sustain viable populations in the planning area.”

2-60 Delete the objective for deer winter range.

In the objective for Wild, Scenic and Recreational Rivers, change the number from 28 to 32.

2-61 In Table 2-4, change the acreages of land use designation allocations for Alternative 11 for the following LUD's due to Wild and Scenic River modifications:

Old-growth Habitat.....1,130,069
Semi-remote Recreation.....2,928,386
Wild, Scenic, Recreational River 122,641

2-62 Change the number of Wild River miles in the "River Recommendations" category to 364.5.

Chapter 3

3-114 For Table 3-36, the date in the title of the table, and in the source at the bottom of the table, should be changed from "1989" to "1993."

3-169 In Table 3-56, change the acreages of land use designation allocations for Alternative 11 for the following LUD's due to Wild and Scenic River modifications:

Old-growth Habitat 938,179
Semi-remote Recreation 2,729,288
Wild, Scenic, Recreational River 105,941

3-258 Change the fifth paragraph to read:

In February 1997 an end to the one remaining contract, with KPC, due originally to expire in 2004, was negotiated. The pulpmill has closed, and under the terms of the negotiation approximately 300 MMBF will be released to KPC over the next three years (1997-1999), from already approved timber sales, for continued short-term operation of its sawmills. See Appendix M (revised) for further discussion.

3-262 In the first paragraph, replace "Brooks and Haynes (1994)" and "Haynes and Brooks, 1994" with "Brooks and Haynes, draft 1997 update."

Replace the second and third paragraphs with the following:

The PNW projections are revised periodically. The 1997 revised estimates include consideration of recent changes in world timber and wood products markets and closure of both Sitka and Ketchikan pulp mills. These mill closures significantly affect the pulp wood component of demand. Sawlog demand is not similarly affected. The closure of the Wrangell Mill (currently owned by Alaska Pulp Corporation) is not considered to be permanent, and the sawlog market may support its reopening or replacement. See Appendix M (revised) for an evaluation of the KPC mill closure, contract renegotiation, and related changes in demand.

The PNW Station has estimated that for the next decade and a half (1997 to 2010), timber market demand will be substantially lower than previously estimated. Three projections, based on different market assumptions, are given: a medium estimate of a yearly average of 101 MMBF for the period 1998-2002, rising to 135 MMBF annually in 2008-2010; a low estimate of a yearly average of 65 MMBF for the period 1998-2002, rising to 72 MMBF annually in 2008-2010; and a high estimate of a yearly average of 136 MMBF for the period 1998-2002, rising to 206 MMBF annually in 2008-2010. The different assumptions regard the Alaska share of North American lumber shipments to Japan, the North American share of Japanese softwood lumber imports, the share of Alaska shipments to other export markets, and overrun in lumber production in Alaska. These are explained in more detail in the most recent Brooks and Haynes study (1997 draft).

3-286 Add the following paragraph to the top of the page:

> The discussions and table on this page, and the top of the next page (through Table 3-87), break out the timber supply of each alternative by likely end-product, one of which is pulp logs. With the closure of the KPC pulp mill, the market for this material will be considerably different over the next decade. Some pulp logs may go to the chip market; others will likely remain unsold. This fact does not alter the following analysis of log quality, which is a supply issue.

3-287 Delete the second and third questions in the first paragraph under "Effects on the Timber Supply." They are no longer applicable.

3-288 to 3-290 Delete the entire discussion sub-titled "Ketchikan Pulp Company (KPC) Long-term Timber Sale Contract" (from the middle of page 3-288 through the end of page 3-290). This analysis is no longer applicable.

3-291 to 3-292 Under the "SBA Program" discussion, delete the last paragraph on page 3-391, and Table 3-92 at the top of page 3-292. The rest of the discussion is still relevant.

3-295 In the large paragraph in the middle of the page, delete the last three sentences (starting with "For example, the KPC long-term contract ..."). This paragraph should now end with "The feasibility of providing the volume is contingent on other demand for timber supply."

3-295 to 3-298 Under the section titled "Projected Demand," make the following changes:

Delete all of page 3-295 (at the bottom, starting with "Section 101 ...") and page 3-296. See the revised demand discussion above (for page 3-262) and the revised Appendix M.

Replace all of page 3-297 and the top of page 3-298 (Table 3-97) with the following:

> Based on the recent Brooks and Haynes update (1997), the medium estimate of demand for Tongass timber for the next decade (1998-2007) ia an average 110 MMBF per year. This will all be lumber (sawlog) demand, since pulp mill demand is zero. Table 3-96 compares this requirement to the ASQ's of the alternatives.

Table 3-96
Alternative sawlog composition and projected demand for Tongass sawlogs (all figures are MMBF)

Alternative	Sawlog Demand (10-yr. average)	Sawlog Component ASQ	Sawlog Component NIC I	Surplus or Deficit(-) ASQ	Surplus or Deficit(-) NIC I
1	110	0	0	-110	-110
2	110	240	196	130	86
3	110	133	110	23	0
4	110	68	56	-42	-54
5	110	63	53	-47	-57
6	110	160	130	50	20
7	110	332	272	222	162
9	110	285	233	175	123
10	110	156	128	46	18
11	110	139	112	29	2

Source for Sawlog Demand: Brooks and Haynes, 1997 draft

The ASQ's, and NIC I ASQ components, of Alternatives 2-3 and 6-11 are all capable of meeting the estimated lumber demand for the next decade (medium scenario). Alternatives 1, 4 and 5 have neither an ASQ or NIC I component capable of meeting the projected demand. Using the low demand scenario (see page 3-262, as updated), which would be a 68 MMBF average for the next decade, these three alternatives still do not meet demand except for Alternative 4 at full ASQ. Using the high scenario (154 MMBF average), only Alternatives 2, 7 and 9 would meet demand for both ASQ and NIC I components; Alternatives 6 and 10 would meet demand only at the full ASQ level. Using this high-end estimate, Alternatives 1, 3-5 and 11 would not be capable of meeting demand with either component.

3-298 to 3-299 Delete the entire section titled "Proportionality." It is no longer applicable.

3-338 Change the second from the last sentence in the paragraph describing Alternative 11 to: "Thirty-two rivers are included in this alternative for a total of 541 miles."

3-340 and 3-341 Make the following modifications to Table 3-105 for Alternative 11:

Essowah Lakes and Streams..... W-13
Gokachin, Mirror, Fish, Low Creeks W-30
Kegan Lake and Streams W-9
Niblack Lakes and Streams W-5

The Ketchikan Area total should be 297 stream miles; the Forest-wide Totals of Rivers should be 32; and, the Forest-wide Totals of Miles should be 541.

Change Table 3-106 for Alternative 11 as follows:

Coast Range 8
Southern Islands 6

The total Suitable Rivers for Alternative 11 should be 32.

3-343 The entire existing description of effects for Alternative 11 is replaced with the following:

Thirty-two eligible rivers with 541 miles would be recommended for designation as Wild, Scenic or Recreational Rivers. Of this number, 11 rivers with 250 miles are in existing Wilderness, National Monuments, and Legislated LUD II Areas. In general, the classification of the recommended rivers outside of these legislated areas is highly compatible with the proposed management of adjacent lands in this alternative. Designation would place a total of 229,000 acres in the National Wild and Scenic Rivers System. This amounts to 30 percent of the eligible rivers, and 39 percent of the eligible miles. It would eliminate the opportunity for major water resource development projects on 541 miles of river.

Designation would include some 128,170 acres in existing Wilderness, National Monuments, and Legislated LUD II areas. These designations would have little effect on other resources uses, because of the restricted status of Wilderness, National Monuments, and LUD II areas, except that the land within the corridors would be withdrawn from mineral entry when not already withdrawn by Wilderness status. They would provide an added degree of protection from the development of water and power projects by requiring Congressional approval of such projects, in addition to the Presidential approval for a water resource development in Wilderness. Specific exceptions for management of Wilderness found in ANILCA that are less restrictive would not apply to Wild and Scenic Rivers in Wilderness unless the legislation in the specific law includes these exceptions. About 53,950 acres would be managed as Wild Rivers outside of existing Wilderness areas, and would be withdrawn from mineral entry.

The rivers in this alternative contain around 45,600 acres of tentatively suitable forest lands within their corridors. For those river corridors adjacent to land use designations allowing timber harvest, restricted harvest would be allowed on these lands within the Scenic and Recreational River corridors, but would not be allowed in Wild River corridors.

3-445 to 3-451 These pages are a discussion of the current (prior to 1997) timber industry situation in Southeast Alaska. All the information included is accurate, but it should be kept in mind that the KPC pulp mill closure had not happened at this time. Putting references to the pulp mill and/or pulp mill demand into the past tense will bring this section up to date. In addition, change Table 3-133 (page 3-450) as follows:

Replace the heading "Long-term Contract" with "Major Operators."
Delete the entire row titled "Pulp Mill."
Delete the heading "Independent Operators."
Change the figures in the "Total" row to 322 (Installed Capacity), 173 (Wood Fiber Consumed), and 52% (% Capacity Utilized).

3-451 to 3-452 These pages discuss a demand estimate for the year 2000, and Table 3-134 includes year-2000 employment estimates based on this demand. These estimates are also used later for baseline comparisons of alternative effects on employment. Three changes are needed:

1. For the large paragraph on page 3-451 that starts "Installed processing capacity, ...", delete the last half of the paragraph (after the sentence ending "(see Table 3-134)."

2. Delete the entire next paragraph (bottom of page 3-451 and top of page 3-452), and replace with the following two paragraphs:

   The revised Brooks and Haynes estimates (1997 draft) assume that Southeast Alaska lumber exports (particularly to Japan) will be limited. Given expected trends in consumption and total imports within these markets, expected levels of sawnwood "demanded" from the Tongass are estimated. Due to the closure of both pulp mills, no demand is associated with pulp production. A final assumption of declining harvests on private and State lands (to 186 MMBF) is included, and the overall level of derived demand estimated. Employment levels are then estimated using the 1990-1994 average employment per unit output (lumber only). Figures for 1995 are included for comparison with the year-2000 projections.

   The estimated reduction in Native corporation harvests, the absence of a pulp mill, and the assumption of limited overseas markets, all contribute to a timber-industry employment considerably lower than the 1995 level. The loss of logging jobs accounts for over 45 percent of the drop in direct employment, and the loss of pulp mill jobs about 58 percent of the decline. Total timber-related employment is estimated to decline by 47 percent between 1995 and 2000, and employee earnings by the same amount. Gross business income is expected to decline by 39-44 percent.

3. Replace Table 3-134 (bottom of page 3-452) with the following table:

Table 3-134.
Timber Production and Employment, 1995 and Projections

	1995	Brooks & Haynes (2000)
Volumes Produced		
Tongass Harvest (MMBF log scale)	221	212
Private & State Harvest (MMBF log scale)	240	186
Total Harvest (MMBF log scale)	461	398
Log Exports (MMBF log scale)	328	162
Lumber Production (MMBF lumber tally)	91	95
Pulp Production (M tons)	183	0
Chip Exports (M tons)	102	130
Employment (Average Annual)		
Logging	1,185	776
Sawmills	301	251
Pulp (1995), Chip Exports (2000)	516	45
Total Direct Employment	2,002	1,072
Total (Direct, Indirect & Induced)	3,466	1,856
Employee Earnings (Million 1995$)		
Direct Earnings	89	48
Total (Direct, Indirect & Induced)	154	83
Gross Business Income (Million 1995$)		
@ 1994 Prices	428	261
w / 2% Annual Real Price Increase	521	290

3-471 In the first paragraph under "Year 2000 Baseline Projection," replace "34,8731" in the last sentence with "34,873." This was a typo.

3-472 The following changes are needed:

1. In Table 3-139, make the following changes to the rows indicated:

	Employment	Earnings
Wood Products Direct	1,072	48
Wood Products Total	1,856	83
Total Southeast Alaska	40,296	1,274

2. In the first paragraph following the table, change the first sentence to read: "The Year-2000 projections of total employment and earnings are seven percent and ten percent higher, respectively, than their 1995 levels (Table 3-131)."

3. In the first paragraph under "Summary," end the first sentence after "... the next ten years." Further on in this paragraph, starting at "Under the assumption that the total ASQ is harvested ...," change this and the following two sentences to read as follows:

   Under the assumption that the total ASQ is harvested (Table 3-140), Alternative 1 yields a total of 6,740 direct jobs in the resource dependent industries included in this analysis. The total for Alternative 7 is 8,897, 32 percent higher than Alternative 1. Most of the difference between these two extremes (2,157 jobs) is caused by differences in timber-related employment.

3-473 In Table 3-140, change the figures in the rows included below as follows:

Table 3-140.
Employment and Income Levels--Total ASQ (1995-2005 Average)

	Direct Employment and Income										
	2000	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5**	**Alt. 6**	**Alt. 7**	**Alt. 9**	**Alt. 10**	**Alt. 11**
	Direct Employment (Average Annual)										
Wood Products	1,072	363	1,965	1,248	814	784	1,431	2,578	2,264	1,402	1,288
Southeast Alaska Total	40,296	39,068	41,829	40,591	39,843	39,791	40,907	42,868	42,348	40,856	40,660
	Direct Earnings (Million 1995$)										
Wood Products	49	16	88	56	36	35	64	115	101	62	57
Southeast Alaska Total	1,274	1,219	1,342	1,287	1,254	1,252	1,301	1,389	1,366	1,299	1,290
	Total Employment (Average Annual)										
Wood Products	1,856	629	3,401	2,160	1,410	1,357	2,478	4,463	3,919	2,427	2,230
	Total Earnings (Million 1995$)										
Wood Products	83	28.0	151.5	96.2	62.8	60.5	110.4	198.8	174.5	108.1	99.3
	Total Employment Generated in Southeast Alaska (Average Annual)										
All Categories	8,057	6,829	9,590	8,352	7,605	7,552	8,668	10,629	10,109	8,617	8,422
	Total Earnings Generated in Southeast Alaska (Million 1995$)										
All Categories	306.7	252.1	375.2	320.0	286.7	284.3	334.1	421.7	398.3	331.8	323.1

3-474 In Table 3-141, change the figures in the rows included below as follows:

Table 3-141.
Employment and Income Levels--NIC 1 Only (1995-2005 Average)

	Direct Employment and Income										
	2000	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5**	**Alt. 6**	**Alt. 7**	**Alt. 9**	**Alt. 10**	**Alt.11**
	Direct Employment (Average Annual)										
Wood Products	1,072	363	1,665	1,093	735	713	1,230	2,169	1,913	1,213	1,109
Southeast Alaska Total	40,296	39,068	41,309	40,324	39,705	39,667	40,557	42,160	41,741	40,529	40,350
	Direct Earnings (Million 1995$)										
Wood Products	47.7	16.2	74.1	48.7	32.7	31.7	54.8	96.6	85.2	54.0	49.4
Southeast Alaska Total	1,274.0	1,219.3	1,319.3	1,275.4	1,247.8	1,246.1	1,285.8	1,357.5	1,338.5	1,284.5	1,276.5
	Total Employment (Average Annual)										
Wood Products	1,856	629	2,882	1,893	1,272	1,234	2,129	3,755	3,312	2,101	1,919
	Total Earnings (Million 1995$)										
Wood Products	82.7	28.0	128.4	84.3	56.6	54.9	94.8	167.3	147.5	93.6	85.5
	Total Employment Generated in Southeast Alaska (Average Annual)										
All Categories	8,057	6,829	9,070	8,085	7,466	7,429	8,318	9,921	9,502	8,291	8,111
	Total Earnings Generated in Southeast Alaska (Million 1995$)										
All Categories	306.7	252.1	352.0	308.1	280.5	278.8	318.5	390.2	371.2	317.3	309.3

3-475 Make the following changes:

1. Delete Figure 3-30.

2. In the first paragraph, change the second sentence to read:

   Here again, wood products displays the most variation across alternatives, with Alternative 7 demonstrating a 140 percent projected increase in wood products employment relative to

the baseline (102 percent under a NIC I harvest), and Alternative 1 showing a 66 percent decline for both ASQ and NIC I.

3. In the second paragraph, change the fifth and sixth sentences to read:

   Maximum negative impacts occur under Alternative 1, which displays a three percent decline in employment and a four percent decline in earnings. Conversely, Alternative 7 shows an six percent increase in employment and an nine percent increase in earnings relative to the baseline.

3-476 Make the following changes:

1. Replace Table 3-142 with the following:

Table 3-142.
Employment and Income Levels Relative to Baseline 2000 (1995-2005 Average)

	Total ASQ Harvest										
	2000	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5**	**Alt. 6**	**Alt. 7**	**Alt. 9**	**Alt. 10**	**Alt. 11**
Direct Employment (Average Annual)											
Wood Products	1,072	-66%	83%	16%	-24%	-27%	34%	140%	111%	31%	20%
Recreation (Basic)	1,632	0%	-1%	0%	0%	0%	-1%	-2%	-1%	-1%	0%
SE AK Total Employment	40,296	-3%	4%	1%	-1%	-1%	2%	6%	5%	1%	1%
SE AK Total Earnings	1,274	-4%	5%	1%	-2%	-2%	2%	9%	7%	2%	1%
	NIC 1 Harvest										
	2000	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5**	**Alt. 6**	**Alt. 7**	**Alt. 9**	**Alt. 10**	**Alt. 11**
Direct Employment (Average Annual)											
Wood Products	1,072	-66%	55%	2%	-31%	-34%	15%	102%	78%	13%	3%
Recreation (Basic)	1,632	0%	-1%	0%	0%	0%	-1%	-2%	-1%	-1%	0%
SE AK Total Employment	40,296	-3%	3%	0%	-1%	-2%	1%	5%	4%	1%	0%
SE AK Total Earnings	1,274	-4%	4%	0%	-2%	-2%	1%	7%	5%	1%	0%

2. In the paragraph titled "Supply.," change the second sentence to read: "Lower sawlog grades, especially number 3 sawlogs, have commonly been used for pulp production, and could now be chipped as well as used for lumber."

3. In the paragraph titled "Supply.," change the last sentence to read: "An additional 186 MMBF of non-National Forest harvest is assumed for each scenario, with 20 MMBF of this volume being available for chip production and the rest leaving the region as log exports."

3-477 In Table 3-143, make the following changes:

1. Replace both sets of Year-2000 figures with the following:

Non-Tongass NF	186
Total Tongass NF	212
Total SE Alaska	398

2. Replace all Non-Tongass harvest figures for all alternatives in both tables with 186.

3. The alternative totals should read as follows:

	1	2	3	4	5	6	7	9	10	11
ASQ Total	186	649	442	316	308	495	826	735	485	453
NIC I Total	186	557	392	289	283	431	702	629	426	397

Delete the last paragraph on page 3-477 and replace with the following:

Compared with the Year-2000 baseline, all alternatives except Alternatives 1, 4 and 5 provide the supply for a potentially higher harvest. This is true for total harvest, if a market for pulp logs is assumed, and also for the hem-spruce sawlog component only, if no pulp logs are harvested.

3-478 In Figure 3-31 the top of the baseline bar should be lowered to 398 MMBF, and the top of the Non-Tongass portion of that bar raised to 186 MMBF. Otherwise the figure is o.k.

3-478 to 3-479 Delete the entire sub-section titled "Product Outputs," from page 3-478 below the table through Table 3-144 on page 3-479. The updated demand study does not provide the detail to update this information.

3-479 Under "Employment and Income," delete the reference to "pulp production" in the first sentence. Also delete the sentence beginning "No estimate of the impact of chip exports ..." from the middle of the paragraph. Finally, replace the last three sentences with the following:

All alternatives except Alternatives 1, 4 and 5 show employment increases relative to the baseline for both total ASQ and NIC I component only. The same alternatives also show increases in total income for both scenarios.

3-480 Replace Table 3-145 with the following table:

Table 3-145.
Timber Industry Employment (1995-2005 Average)

	1990-94 Ave. Jobs/mmBf	2000	Alternative 1	2	3	4	5	6	7	9	10	11
Total ASQ Harvested Employment (Average Annual)												
Logging	1.95	776	363	1,268	861	617	602	967	1,613	1,436	949	885
Sawmills	3.33	251	0	661	366	187	174	441	914	785	430	382
Pulp Mills	3.03	0	0	0	0	0	0	0	0	0	0	0
Total Direct [(1)]	--	1,072	363	1,965	1,248	814	784	1,431	2,578	2,264	1,402	1,288
Total	Multiplier = 1.73	1,856	629	3,401	2,160	1,410	1,357	2,478	4,463	3,919	2,427	2,230
Income (million 1995 $)												
Direct	@44,542 $/Job	48	16	88	56	36	35	64	115	101	62	57
Total	Multiplier = 1.73	83	28	151	96	63	60	110	199	175	108	99
NIC 1 Only Harvested Employment (Average Annual)												
Logging	1.95	776	363	1,096	773	572	559	852	1,379	1,236	842	783
Sawmills	3.33	251	0	540	303	154	146	358	749	642	353	308
Pulp Mills	3.03	0	0	0	0	0	0	0	0	0	0	0
Total Direct [(1)]	--	1,072	363	1,665	1,093	735	713	1,230	2,169	1,913	1,213	1,109
Total	Multiplier = 1.73	1,856	629	2,882	1,893	1,272	1,234	2,129	3,755	3,312	2,101	1,919
Income (million 1995 $)												
Direct	@44,542 $/Job	48	16	74	49	33	32	55	97	85	54	49
Total	Multiplier = 1.73	83	28	128	84	57	55	95	167	148	94	85

Source: USDA Forest Service. See text for explanations.
[1] Includes Employment related to Chip Export within the total, although not separately reported.

3-481 and 3-482 Delete the last paragraph on page 3-481, and the figure and first paragraph on page 3-482. This pulpmill discussion is no longer applicable.

3-483 Delete Table 3-146. The revised demand study does not have the detail to update this information.

3-483 In the middle paragraph, delete the reference to the pulp mill.

3-485 to 3-487 Delete all references to a pulp mill and any evaluation related to meeting a long-term contract. This information is no longer applicable. The rest of the alternative-specific discussions are still appropriate.

3-491 In the last paragraph, replace the first sentence with the following:

> Since the planning alternatives include minimal withdrawals from mineral entry, no impact on mining employment and income across alternatives is assumed (see the Minerals section in this chapter for clarification).

3-508 The second-to-last sentence in the last paragraph should read:

> Due to the assumption of increasing sawlog prices, Alternatives 2,3,6,7,9,10, and 11 show increasing revenues for the next few decades.

3-509 In Table 3-152, change the last two rows, "Total Gross Receipts" and "25% Payments to Alaska," to the following (to add up correctly):

Alternative	Total Gross Receipts	25% Payment
FY 1995	$30,726	$7,682
1	$3,302	$826
2	$92,967	$23,242
3	$45,177	$11,294
4	$24,982	$6,246
5	$23,297	$5,824
6	$54,942	$13,736
7	$130,317	$32,579
9	$110,222	$27,556
10	$53,857	$13,464
11	$54,392	$13,598

Chapter 7 (Glossary)

Please add the following terms and definitions to the glossary. If the term is already there, replace the definition with the one below.

Beach Fringe The area inland from salt water shorelines which is typically forested.

Corridor (transportation) A linear strip of land defined for the present or future location of transportation or utility rights-of-way within its boundaries. For planning purposes, potential and proposed corridors are depicted on the Plan map to show approximate corridor routes and widths. Actual corridor routes and boundaries for new systems will be identified through site-specific transportation and/or utility project planning.

Corridor (habitat) Habitats, often linear, that facilitate dispersal and movement of wildlife between larger patches of suitable habitat. (Also see "connectivity.")

Corridor (Wild & Scenic Rivers) Wild, scenic and recreational river corridors are generally comprised of the area within 1/4 mile either side of the ordinary high water mark of the river. River corridor boundaries may be changed as a result of specific river planning following inclusion of the River in the National Wild and Scenic Rivers system.

Non-interchangeable Components Non-interchangeable components (NIC's) are defined as increments of the suitable land base and their contribution to the allowable sale quantity (ASQ) that are established to meet Forest plan objectives. NIC's are identified as parcels of land and the type of timber thereon which are differentiated for the purpose of Forest plan implementation. The total ASQ is derived from the sum of the timber volumes from all NIC's. The NIC's cannot be substituted for each other in the timber sale program.

> **NIC I: Normal Operability:** This is volume scheduled from suitable lands using existing logging systems. Most of these lands are expected to be economic under projected market conditions. On average, sales from these lands have the highest probability of offering a reasonable opportunity for a purchaser to gain a profit from his/her investment and labor. This is the best operable ground.

Normal operability includes those systems most frequently used on the Tongass. These systems are tractor, shovel, standard cable and some helicopter.

Tractor - Tractor logging includes all ground wheel or track systems used for skidding logs to a landing. Shovel yarding is included; however, tractor or rubber-tire skidding used in conjunction with swing operations are not included.

Standard Cable - The most typical logging systems used on the Tongass. Included in the standard cable system component are highlead uphill, highlead downhill, slackline, running skyline and flyer.

Standard Helicopter - Helicopter yarding with yarding distances up to three quarters of a mile.

NIC II: Difficult and Isolated Operability: This is volume scheduled from suitable lands that are available for harvest using logging systems not in common use in Southeast Alaska. Most of these lands are presently considered economically and technologically marginal.

Difficult operability includes those systems used on the Tongass which have significantly higher costs. These may include balloon, long-span skyline, multi-span, or helicopter with yarding distances greater than three-quarters of a mile. This category also includes lands which have limited access as a result of being isolated by prior harvest activities or other management activities.

Long Span Cable - Cable systems which require longer than average yarding distances. Typical long span cable systems considered are standing skylines and multispan.

Access Limitation - Logging systems required for areas with access limitation concerns. The logging system could be highlead cable when access to timber and roading is difficult. Typical harvest systems are helicopter and swing operations.

Isolated Operability - This class is comprised entirely of isolated stands. These are small stands of isolated timber which are extremely difficult to harvest. The harvest system could vary, but would be more costly due to the location of the stand. Typical harvest systems are helicopter with average yarding distances greater than one mile.

Productive old growth Old-growth forest capable of producing at least 20 cubic feet of wood fiber per acre per year, or having greater than 8,000 board feet per acre.

ROS Existing The ROS setting in place, regardless of the official inventory.

Taxa For the purposes of this Plan and FEIS, taxa are animal species or sub-species.

Tw**o-aged management** A silvicultural method in which the majority of the trees in a harvest unit are cut in one entry, and the rest are left as residual trees, either singly or in patches. The residual trees remain unharvested to provide structural diversity and older-aged trees within the second-growth stand. See "Two-aged System" in the Timber Forest-wide Standards & Guidelines for guidance.

TLMP Revision FEIS Errata

Appendix, Volume 1

M. KPC Pulp Mill Evaluation

Delete the entire appendix. This material is replaced by a revised Appendix M, included in Appendix, Volume 4 of the FEIS.

Appendix, Volume 2

E. Wild, Scenic and Recreational Rivers

E-8 The following modifications should be made in the Table for Alternative 11:

Essowah Lakes and Streams	W-13
Gokachin, Mirror, Fish, Low Creeks	W-30
Kegan Lake and Streams	W-9
Niblack Lakes and Streams	W-5

The Ketchikan Area total should be 297 stream miles; the Forest-wide Totals of Rivers should be 32; and, the Forest-wide Totals of Miles should be 541.

E-369 Change Essowah Lakes and Streams to Wild River designation for all 13 miles in Alternative 11.

E-380 Change Gokachin, Mirror, Fish, and Low Creeks to Wild River designation for all 30 miles in Alternative 11.

E-413 Change Kegan Lake and Streams to Wild River designation for all nine miles in Alternative 11.

E-439 Change Niblack Lakes and Streams to Wild River designation for all five miles in Alternative 11.

Appendix, Volume 3

Appendix L

L-104 In the **Response** in the middle of the page beginning "The Forest Service has undertaken further research," after the sentence ending "Gruenfeld and Associates," insert the following sentence: "The Brooks and Haynes study was updated in 1997." Then delete the final sentence ("However, ... current harvest levels.").

L-137 In the first **Response** on the page, in the last sentence of the first paragraph, change the reference "Haynes/Brooks (June 1994)" to "Brooks and Haynes, 1997 (draft)."

L-141 In the first **Response** on the page, delete the following phrase from the second sentence of the first paragraph: "remaining long-term contract obligations and".

L-149 In the first **Response** on the page, in the third sentence of the first paragraph, change the reference "Haynes/Brooks (June 1994)" to "Brooks and Haynes, 1997 (draft)."

L-208 In the last **Response** on the page, add to the end of the response: "The Record of Decision includes additional standards and guidelines for small mammals. These are evaluated in Appendix N."